

SEQUENCE LISTING

<110> Nichirei Corporation

<120> Primers and probes for detection of vibrio cholera or vibrio mimicus
and method of using thereof

<130> PH-1967-PCT

<140>

<141>

<150> JP 2002/362878

<151> 2002-12-13

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio
cholera and vibrio mimicus -gyrB

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caagcacgt tgkctgtrgt rggtgakacw gagcgtaccg gtactaccgt acgttctgg 180
ccwagygcac aracyttac caatatcgaa ttycattacg acattyggc taaacgyctg 240
cgtgagctgt cattcctgaa ytctggcgtg tcgatcaagc tgaysgatga rcgtgaagaa 300
gataaraaag accacttyat gtatgaaggk ggtattcaag cgttgtkac ccacttgaac 360
cgyaayaaaa cgccratcca tgaraaagtm ttccacttya accaagagcg tgaagatggc 420
atcagcgtgg aagtggcrat gcagtggaay gatggttcc aagaaaacat ctactgctt 480
acyaacaaca tyccacagcg tcatggggtt acccayttag cyggttccg tggcrttg 540
acccgtactt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcrgca 600
acctcgggtg atgatgcgcg tgaaggctta acrgcdgtkg tdtcggtcaa agtrccrgat 660
cctaaattct cragccaaac caaagataag ctrgtttctt cggargtraa atccgcrgtt 720
gartcagcya tgaatgagaa gctggcrgat ttctrugcgg aaaacccaag cgaagcgaaa 780
aacgttggc cgaagattat tgatgcrgcr cghgckcgtg aagcvgcgcg taaagcmcgk 840
gaaatgacyc gycgtaaagg cgcgtrgay ythgcwggyt trcch 885

<210> 2

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera and vibrio mimicus -rpoD

<400> 2

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caggcmgaag arctacgtct sactgayctg atttcwggtt tcgttgaycc taacgacatg 180
gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck 240
gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300
gaaagyagcg acagcgaaga agaagtsggt atygaccctg arctsgctcg tgagaaattc 360
aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta 480
acaccaaarc aattygacca yttggttgaa actctgcgya cytcratgga tcgtgttcgy 540
acccaagarc gyttggtrat gaaagcvgr gttgaagtcg cgaaratgcc raagaaatcr 600
ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660
tctgayaarc cttaygtasm raaagtmcggt gagcaagaag amgakatygc ccgytcaaty 720
caraaaactdc aratgatcga rcargagacw tcactgtctg ttgarcgat caaagacatc 780
agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg 822

<210> 3

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence vibrio cholera-gyrB

<400> 3

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caggcmgaag arctacgtct sactgayctg atttcwggtt tcgttgaycc taacgacatg 180
gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck 240
gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300

gaaagyagcg acagcgaaga agaagtsggt atygaccctg arctsgctcg tgagaaaattc 360
aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
agtmaycaag cwtctgaagc ktcarryctr gtrytggata tyttccgyga attccgycta 480
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tctgayaarc cttaygtasm raaagtmcggt gagcaagaag amgakatygc ccgytcaaty 720
caraaactdc aratgatcga rcargagacw tcactgtctg ttgarcgyat caaagacatc 780
agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg 822

<210> 4

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera -rpoD

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caggccgaag agctacgtct cactgacctg attcaggtt tcgttgaycc taacgacatg 180
gaaaccgaag cgccaaaccgc gactcacatc gttctgagc tttctgaagc ggatctcg 240
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agtcatcaag cttctgaagc gtcagactta gtgytggata tcttccgtga attccgycta 480
acaccaaagc aattcgcacca cttgggtgaa actctgcgc cttcaatgga tcgtgttcgc 540

acccaagaac gtttggtat gaagcggtt gttgaagtgc cgaagatgcc gaagaaatcg 600
ttcatcgccc tatttacagg caatgaatcg aatgaagagt ggctggataa agtccttgct 660
tctgacaagc cttacgtac gaaagtcgt gagcaagaag aagagatccg ccgttcaatt 720
cagaaactac aaatgatcga gcaagagaca tcactgtctg ttgaacgcat caaagacatc 780
agccgtcgta tgtcaatcg tgaggcraaa gctcgccgtg cg 822

<210> 5

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio mimicus -gyrB

<400> 5

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caagcacccgt tgcgtgttgtt gggtgagact gagcgttacccgt gtactaccgt acgtttctgg 180
ccttagtgcac agacttttac caatatcgaa ttccattacg acattctggc taaacgyctg 240
cgtgagctgt cattcctgaa ctctggcggt tcgatcaagc tgacggatga gcgtgaagaa 300
gataagaaag accacttyat gtatgaaggt ggtattcaag cggttgtkac ccacttgaac 360
cgtaayaaaa cggccatcca tggaaaagta ttccacttca accaagagcgt tgaagatggc 420
atcagcgtgg aagtggcaat gcagtggaaac gatggtttcc aagaaaaacat ctactgcttt 480
accaacaaca tyccacagcg tgatggcggt acccacttag cyggttccg tggtgcrttg 540
acccgtactt tgaacaacta catggacaaa gaaggcttct cgaagaaagc scaagcrgca 600
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cctaaattct cragccaaac caaagataag ctrgtttctt cggargtgaa atccgcgggtt 720
gagtcagcca tgaatgagaa gctggcggtt ttcctggcggtt aaaacccaaag cgaagcgaaa 780

aacgtttgtt cgaagattat tcatgcrgcr cghgctcgta aagcvgcgca taaagcacgt 840
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<210> 6

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: consensus sequence of vibrio mimicus -rpoD

<400> 6

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caggcagaag aactacgtct gactgayctg atttctggtt tcgttgatcc taacgacatg 180
gaaaccgaag cgccaaactgc tactcacatc ggTTcagarc tctctgaagc cgatctcgct 240
gatgaagatg acgaggtcgc ggaggatgaa gacgaggatg aagatgaaga cggcgacggt 300
gaaagyagcg acagcgaaga agaagtgggt attgaccctg agctcgctcg tgagaaattc 360
aatgaactgc gcggcaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
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acaccaaaaac aatttgacca tttgggtgaa actctgcgta cctcgatgga tcgtgtcg 540
acccaagagc gyttgggtgat gaaagcvgtg gttgaagtgc cgaaaatgcc aaagaaatca 600
tttattgcyc trtttacagg caatgaatcg aatgargaat ggctygataa agtrctcgct 660
tctgataarc cttatgtaca aaaagtacgt gagcaagaag acgatattcg ccgctcaatc 720
caaaaaactkc agatgatcga acargagact tcactgtctg ttgagcgtat caaagacatc 780
agccgtcgta tgtctatcgg tgaagcgaaa gctcgccgtg cg 822